

In the Abstract:

Please replace the Abstract with the following amended Abstract:

~~The present invention provides an~~ An apparatus suitable for use in investigating multi-phase biological tissue histology is disclosed, which ~~The~~ apparatus comprises a trans-ductally deployable probe mounting a periodically displaceable body of at least one tactile sensing device, ~~said~~ the periodically displaceable body having an excitation frequency bandwidth in the range of from 1Hz to 500 KHz, a maximum stroke length of less than 1 mm and a displacement force in the range from 0.01 N to 1 N, ~~said displaceable body being provided with a~~ A displacement device is included for having a displacement controller ~~for~~ controlling at least ~~said~~ excitation frequency, ~~said displaceable body being~~ and is coupled to a displacement monitoring device and a displacement force monitoring device~~[,]~~ for monitoring the viscoelastic response of ~~said~~ biological tissue to periodic compression by ~~said~~ the displacement force applied to ~~said~~ tissue by periodic displacement of the ~~said~~ periodically displaceable body. ~~The present invention also includes a~~ A method for producing a histological profile of a biological tissue adjacent a body duct, and a diagnostic method~~[,]~~ using the apparatus of the invention are also included.